



US EPA RECORDS CENTER REGION 5



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**MICHAEL BAKER, JR. INC.**

**BAKER / TSA DIVISION**

**4301 DUTCH RIDGE ROAD  
Box 280 - Beaver, PA 15009  
412-495-7711**

June 6, 1983

**JUN 8 9 56 AM '83  
DIV. OF LAND POLLUTION CONTROL  
STATE BOARD OF HEALTH**

Ms. Caryl Schmidt  
Division of Land Pollution Control  
Indiana State Board of Health  
1330 West Michigan Street  
P. O. Box 1964  
Indianapolis, IN 46206

Re: U.S. Steel Corporation, Gary Works Groundwater Sampling  
Facilities EPA I.D. No. - IND-005444062

Dear Ms. Schmidt:

This letter is to confirm our telephone discussions of June 3, 1983 concerning the planned split sampling at Gary Works hazardous waste treatment and disposal sites. The subject sites are identified as HWD-2, HWD-5, HWT-2, HWT-13 and HWT-14, and include a total of 23 monitoring wells.

Sampling will commence on June 21, 1983 taking approximately three days to complete. Both your crew members and Baker sampling personnel will meet at the Gary Works Environmental Engineering Office on the morning of June 21. Well purging and sampling will be conducted by Baker/TSA personnel using the existing sampling protocol (purging of three well volumes with submersible pump and sampling with a PVC bailer). Samples will be split at each well and each crew will be responsible for sample handling (filtering and preservation) subsequent to the split. Table 1 summarizes the list of chemical parameters that you specified during our discussions. We will complete the same analyses.

MICHAEL BAKER, JR., INC.

Ms. Caryl Schmidt

Page 2

June 6, 1983

Please call me immediately at 412/495-7711, ext. 378, if the above differs from your recollection or if you have additional questions or comments. In my absence, please ask for Dr. Alan J. Shuckrow.

Very truly yours,

MICHAEL BAKER, JR., INC.  
BAKER/TSA DIVISION



David W. Hupe  
Project Geologist

DWH/111

Attachment

cc: R. V. McCarthy  
P. K. Morrison - Chief Engineer  
J. A. Lanoy

TABLE 1

PARAMETER SUMMARY  
GARY WORKS SPLIT SAMPLING

Parameters Characterizing Suitability as a Drinking Water Supply

Arsenic  
Barium  
Cadmium  
Chromium  
Lead  
Mercury  
Selenium  
Silver

Parameters Establishing Groundwater Quality

Chloride  
Iron  
Manganese  
Phenols  
Sodium  
Sulfate

Indicators of Groundwater Contamination

pH  
Specific Conductance  
Total Organic Carbon (one measurement only)

Others

Total Dissolved Solids